Journal of Geochemical Exploration, 34 (1989) 355–356
Elsevier Science Publishers B.V., Amsterdam — Printed in The Netherlands

CONTENTS VOLUME 34 (1989)

Special Issue

Exploration Geochemistry in Southern Africa, edited by G.L. Coetzee†

Obituary — G.F. Wagener vii
Systematic variation in the tin content of pegmatites in western central Namibia
G.F. Wagener (Johannesburg, South Africa) 1
The composition of descloizite-mottramite in relation to the trace-element distribution of Pb, Zn, Cu and V in the Otavi Mountain Land, South West Africa/Namibia
W.A. van der Westhuizen, E.A.W. Tordiffe, H. De Bruiyn and G.J. Beukes
(Bloemfontein, South Africa) 21
The Jacomynspan copper-nickel prospect — a study of secondary dispersion in the calcretes of the Northern Cape Province, South Africa
E.A.W. Tordiffe, J.J. Vermaak, W.A. van der Westhuizen and G.J. Beukes
(Bloemfontein, South Africa) 31
Lithogeochemistry as a tool for extending mineral resources; the Brandberg West Sn–W deposit, Damaraland, South West Africa/Namibia
T.J.J.M. Evers (Windhoek, South West Africa/Namibia) and M.P. Bowen
(Rooiberg, South Africa) 47
The interpretation and evaluation of regional geochemical anomalies of uranium
C. Frick and S.W. Strauss (Pretoria, South Africa) 63
The use of chlorine, bromine and fluorine in detecting a buried Cu-Zn orebody along the zinc-line in the Murchison range, South Africa
C. Frick, S.W. Strauss and R. Dixon (Pretoria, South Africa) 83

Research papers

Presidential address: The Past and the Future — What lies ahead for exploration geochemistry and the AEG
S.J. Hoffman (Vancouver, B.C., Canada) 103
Mineralogical and geochemical analysis of shallow overburden as an aid to gold exploration in southwestern Gaspésie, Quebec, Canada
M.A. Bernier and G.R. Webber (Montreal, Qué., Canada) 115
Lithogeochemical exploration for uranium in leucogranites
P. Leymarie (Valbonne, France) 147
Bias in the analysis of geological materials for gold using current methods
G.E.M. Hall and J.E. Vaive (Ottawa, Ont., Canada), J.A. Coope and E.F. Weiland
(Denver, CO, U.S.A.) 157
Stream sediment tourmaline geochemistry in massive sulphide exploration: an example from Virginia, U.S.A.)
G.D. Robinson (Harrisonburg, VA, U.S.A.) 173
Orientation studies for gold in the central pediplain of the Saudi Arabian shield
I. Salpeteur (Orléans, France) and H. Sabir (Jeddah, Saudi Arabia) 189

Discussion

Stone line profiles — Importance in geochemical exploration, by P. Lecomte
*Comments — R.H. Mazzucchelli (Perth, W.A., Australia) 217
*Reply — P. Lecomte (Orléans, France) 219

Research Papers

Spatial filtering of exploration geochemical data using EDA and robust statistics
C.Y. Chork (Kensington, N.S.W., Australia) and R.H. Mazzucchelli (West Perth, W.A., Australia) 221
Analysis of geological materials for precious metals using plasma atomic fluorescence spectroscopy
B.L. Caughlin (North Vancouver, B.C., Canada) 245
Tree-top sampling from a helicopter – a new approach to gold exploration
C.E. Dunn (Otawa, Ont., Canada) and R.K Scagel (Richmond, B.C., Canada) 255
Biogeochemistry and LANDSAT TM data: application to gold exploration in northern New Brunswick
A.N. Rencz and G.P. Watson (Ottawa, Ont., Canada) 271
Gold dispersion in a tropical rainforest weathering profile at Dondo Mobi, Gabon
P. Lecomte (Orleans, France) and F. Colin (Bondy, France) 285
A comparative hydrocarbon soil-gas study of the Flathead Valley and Townsend Valley areas, Montana
J.H. Landrum (Tulsa, OK, U.S.A.), D.M. Richers and L.E. Maxwell (Houston, TX, U.S.A.), and W. Fallgatter (Tulsa, OK, U.S.A.) 303
Surface organic geochemical prospecting for hydrocarbons: multivariate analysis
G. Saenz and N.E. Pingitore (El Paso, TX, U.S.A.) 337

Book Reviews

Geochemical Exploration, 1985, Part I and Part II, by R.G. Garrett (Editor) – P.K. Theobald 351
Exploration in the North American Cordillera (GEOEXPO'88), by I.L. Elliott and B.W. Smee (Editors) – A.W. Rose 352